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(71) Applicant (for DE only): **PHILIPS INTELLECTUAL PROPERTY & STANDARDS GMBH [DE/DE]**; Stein-damm 94, 20099 Hamburg (DE).

(71) Applicant (for all designated States except DE, US): **KONINKLIJKE PHILIPS ELECTRONICS N. V. [NL/NL]**; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(71) Applicant (for all designated States except US): **ASML NETHERLANDS BV [NL/NL]**; De Run 6501, NL-5504 DR Veldhoven (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **JONKERS, Jeroen [NL/DE]**; c/o Philips Intellectual Property & Standards GmbH, Weisshausstr. 2, 52066 Aachen (DE). **BAKKER, Levinus, Pieter [NL/DE]**; c/o Philips Intellectual Property & Standards GmbH, Weisshausstr. 2, 52066 Aachen (DE). **SCHUURMANS, Frank, Jeroen, Pieter [NL/DE]**; c/o Philips Intellectual Property & Standards GmbH, Weisshausstr. 2, 52066 Aachen (DE).

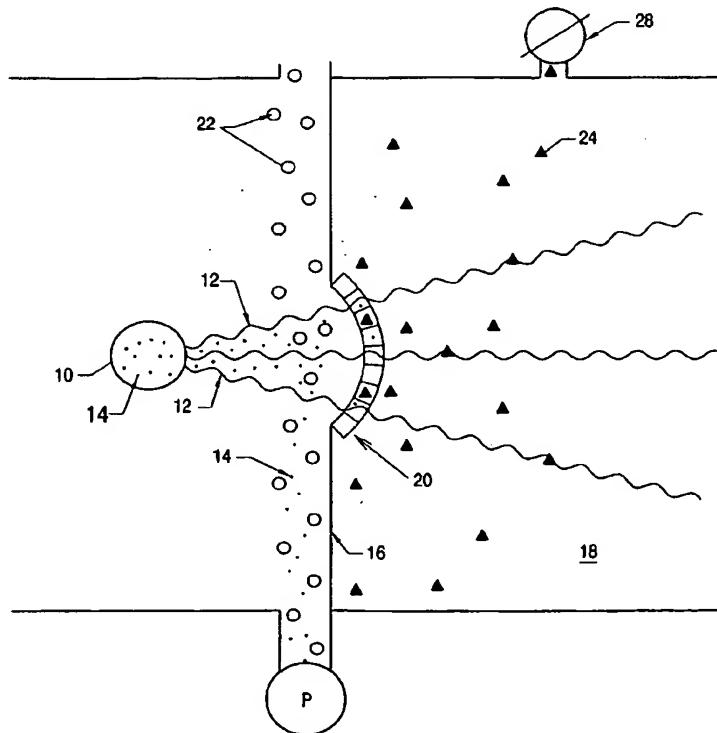
(74) Agent: **VOLMER, Georg**; Philips Intellectual Property & Standards GmbH, Weisshausstr. 2, 52066 Aachen (DE).

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(54) Title: **METHOD AND DEVICE FOR REMOVING PARTICLES GENERATED BY MEANS OF A RADIATION SOURCE DURING GENERATION OF SHORT-WAVE RADIATION**

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(57) Abstract: A method for removing contaminant particles (14), such as atoms, molecules, clusters, ions, and the like, produced by means of a radiation source (10) during generation of short-wave radiation (12) having a wavelength of up to approximately 20 nm, by means of a first gas (22) guided at high mass throughput between the radiation source (10) and a particle trap (20) arranged in a wall (16) of a mirror chamber (18) is described that can be used for a lithography device or a microscope. In order to protect an optical device and/or articles to be irradiated against contamination, the method is designed such that a second gas (24) is introduced into the mirror chamber (18) and its pressure is adjusted such that it is at least as high as the pressure of the first gas (22).



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